

What is claimed is:

1. An oxidation catalyst composition obtained by reacting aqueous hydrogen peroxide with at least one member selected from

- 5 (a) a tungsten or molybdenum metal compound comprising
(ia) tungsten or (ib) molybdenum and
(ii) an element of Group IIIb, IVb, Vb or VIb excluding oxygen,
provided that said tungsten metal compound is not tungstencarbide.

10 2. An oxidation catalyst composition obtained by
reacting aqueous hydrogen peroxide with at least one member selected
from

- (a) tungsten,
(b) molybdenum, or
(c) a tungsten or molybdenum metal compound comprising
15 (ia) tungsten or (ib) molybdenum, and
(ii) an element of Group IIIb, IVb, Vb or VIb excluding oxygen,
and containing an organic solvent.

3. The oxidation catalyst according to claim 1 or 2, wherein the metal compound is tungsten boride, tungsten disulfide or molybdenum boride.

20 4. The oxidation catalyst according to claim 2, wherein the organic solvent is t-butanol or methyl t-butyl ether.

5. The oxidation catalyst according to claim 4, which is dehydrated.

6. The oxidation catalyst according to claim 5, wherein dehydrating is conducted by using anhydrous magnesium sulfate.

25